

**Nitrate**  
**Code : XL-507**  
**Range : 1 - 10 ppm as NO<sub>3</sub>**

**AQUA-XL**  
Water Analysing Kits

**Directions for use :**

1. Take 10 ml of sample to be tested in the test jar.
2. Add 2 Drop of Reagent NT-1. Mix well by swirling the jar.
3. Shake Reagent NT-2 thoroughly and then add 2 flat spoon of it to the above sample. Close the cap tightly & mix by inverting the jar 10 times. Wait for 5 minutes. Again invert the jar 10 times and wait for 5 minutes.
4. Add one flat spoon of Reagent **NT-3**. Close the cap and mix by inverting the jar 10 times. Wait for 5 minutes.
5. If pink colour appears, it indicates **presence of Nitrate (or Nitrite)**. Retain this sample for comparison. (If Pink Colour does not appear then **Nitrate or Nitrite** is absent. Discard this sample.)
6. Fill second test jar upto 10 ml mark with same water sample and add 2 drops of **Reagent-B**. Mix well.

*P.T.O.*

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**Continued.....**

7. Add **Reagent NT-4**, to the second test jar, one drop at a time mixing gently after each drop, counting the number of drops added until the pink colour in the second jar matches the pink colour in the first jar. (Concentrate on pink colour developed, ignore purple colour developed on upper layer of the solution while comparing).

**Calculations :**

**(A)** Nitrate ppm as NO<sub>3</sub> = 1X Number of drops of **Reagent NT-4**.

Note: If Nitrite present in the sample it will give positive error in Nitrate determination. So determine Nitrite as given below.

# Follow Directions for use from step No.1 to Step No.7 except Step No.3 ( Do not follow Step No.3) Calculate Nitrite level as below.

**(B)** Nitrite ppm as NO<sub>2</sub> = 0.75 X Number of drops of **Reagent NT-4**

**Nitrate ppm as NO<sub>3</sub> ( in presence of Nitrite) = A – B**

**Nitrate**

Code : XL-517

Range : 10 – 100 ppm as NO<sub>3</sub>.**AQUA-XL**  
Water Analysing Kits**Directions for use :**

1. Take 1 ml of the sample to be tested with help of syringe in a Stoppered glass bottle. Dilute it upto 10 ml mark with distilled or Nitrate free water.
2. Add 1 micro spoon of Reagent NT-1. Stoppered the bottle and shake it very vigorously (in back and forth direction) for at least 1 minute.
3. Keep the bottle at rest for **5 minute**.
4. Add 2 drops of Reagent **NT-2**. Mix well. Wait for 2 minutes.
5. Add 1 micro spoon of Reagent NT-3. Mix well. Wait for **5 minutes**.
6. If pink, colour appears, it indicates **presence of Nitrate**. If sample remains colourless. **Nitrate is absent**.
7. Retain this sample for comparison.
8. Fill second 10 ml test jar with same water sample upto 10 ml mark.
9. Add 2 drops of Reagent **B**, mix well.

*p.t.o.***Nitrate**

Code : XL-517

Range : 10 – 100 ppm as NO<sub>3</sub>.**AQUA-XL**  
Water Analysing Kits*Continued .....*

10. Add Reagent **NT-4**, to the second 10 ml Test Jar, *one drop at a time mixing gently after each drop, counting the number of drops added until the pink colour in the Second 10 ml Test Jar matched the pink colour in the First glass bottle.*

Calculations

Nitrate ppm as NO<sub>3</sub> = 10 x Number of drops of Reagent **NT-4**.